

*AMENDMENTS TO THE CLAIMS*

This listing of claims replaces all prior versions, and listings, of claims in the application.

1.-10. (Canceled)

11. (Currently Amended) A mutant *ras* peptide consisting of:

Xaa<sub>1</sub> Leu Xaa<sub>2</sub> Val Val Gly Ala Xaa<sub>3</sub> Gly Val (SEQ ID NO:14);

wherein Xaa<sub>1</sub> is the amino acid lysine or tyrosine;

wherein Xaa<sub>2</sub> is ~~an amino acid~~ selected from the group consisting of valine, tryptophan, leucine, tyrosine, and phenylalanine;

wherein Xaa<sub>3</sub> is selected from the group consisting of aspartic acid, valine, cysteine, alanine, arginine, and serine;

wherein when Xaa<sub>2</sub> is valine, Xaa<sub>1</sub> is tyrosine

and the peptide elicits a peptide-specific human CD8<sup>+</sup> cytotoxic T lymphocyte immune response.

12. (Currently Amended) A mutant *ras* peptide consisting of:

Xaa<sub>1</sub> Leu Xaa<sub>2</sub> Val Val Gly Ala Xaa<sub>3</sub> Gly Val Gly Lys Ser (SEQ ID NO: 15) or a fragment thereof,

wherein the peptide consists of 8 to 13 amino acids;

wherein the peptide includes Xaa<sub>1</sub>;

wherein Xaa<sub>1</sub> is the amino acid lysine or tyrosine;

wherein Xaa<sub>2</sub> is ~~an amino acid~~ selected from the group consisting of valine, tryptophan, leucine, tyrosine, and phenylalanine;

wherein Xaa<sub>3</sub> is selected from the group consisting of aspartic acid, valine, cysteine, alanine, arginine, and serine;

wherein when Xaa<sub>2</sub> is valine, Xaa<sub>1</sub> is tyrosine;

wherein the peptide elicits a peptide-specific human CD8<sup>+</sup> cytotoxic T lymphocyte immune response.

13. (Previously Presented) A mutant *ras* peptide consisting of:

Xaa<sub>1</sub> Leu Xaa<sub>2</sub> Val Val Gly Ala Xaa<sub>3</sub> Gly Val Gly Lys Ser (SEQ ID NO: 15) or a

fragment thereof;

wherein the peptide consists of 8 to 13 amino acids;

wherein the peptide includes Xaa<sub>1</sub>;

wherein Xaa<sub>1</sub> is the amino acid tyrosine;

wherein Xaa<sub>2</sub> is valine;

wherein Xaa<sub>3</sub> is selected from the group consisting of aspartic acid, valine, cysteine, alanine, arginine, and serine;

wherein the peptide elicits a peptide-specific human CD8<sup>+</sup> cytotoxic T lymphocyte immune response.

14. (Previously Presented) A mutant *ras* peptide consisting of:

Xaa<sub>1</sub> Leu Xaa<sub>2</sub> Val Val Gly Ala Xaa<sub>3</sub> Gly Val Gly Lys Ser (SEQ ID NO: 15) or a fragment thereof;

wherein the peptide consists of 8 to 13 amino acids;

wherein the peptide includes Xaa<sub>1</sub>;

wherein Xaa<sub>1</sub> is the amino acid lysine or tyrosine;

wherein Xaa<sub>2</sub> is selected from the group consisting of valine, tryptophan, leucine, tyrosine, and phenylalanine;

wherein Xaa<sub>3</sub> is selected from the group consisting of aspartic acid, valine, cysteine, alanine, arginine, and serine;

wherein when Xaa<sub>2</sub> is valine, Xaa<sub>1</sub> is tyrosine;

wherein the peptide elicits a peptide-specific human CD8<sup>+</sup> cytotoxic T lymphocyte immune response.

15. (Currently Amended) A mutant *ras* peptide consisting of

Xaa<sub>1</sub> Leu Xaa<sub>2</sub> Val Val Gly Ala Xaa<sub>3</sub> Gly Val Gly Lys Ser (SEQ ID NO: 15) or a fragment thereof;

wherein the peptide consists of 8 to 13 amino acids;

wherein the peptide includes Xaa<sub>1</sub>;

wherein Xaa<sub>1</sub> is tyrosine;

wherein Xaa<sub>2</sub> is ~~an amino acid~~ selected from the group consisting of valine, tryptophan, leucine, tyrosine, and phenylalanine;

wherein Xaa<sub>3</sub> is aspartic acid;

and the peptide elicits a peptide-specific human CD8<sup>+</sup> cytotoxic T lymphocyte immune response.

16.-24. (Canceled)

25. (Previously Presented) A mutant *ras* peptide-carrier molecule conjugate comprising the mutant *ras* peptide consisting of Tyr Leu Val Val Val Gly Ala Asp Gly Val (SEQ ID NO: 11) and a carrier molecule, wherein said carrier molecule enhances the immunogenicity of the peptide.

26. (Canceled)

27. (Previously Presented) An immunogen for eliciting a mutant *ras* peptide-specific human CD8<sup>+</sup> cytotoxic T lymphocyte immune response comprising a mutant *ras* peptide of claim 72, wherein the immunogen elicits a mutant *ras* peptide-specific human CD8<sup>+</sup> cytotoxic T lymphocyte immune response.

28.-31. (Canceled)

32. (Previously Presented) A pharmaceutical composition comprising the mutant *ras* peptide of claim 72 and a pharmaceutically acceptable carrier.

33. (Previously Presented) The pharmaceutical composition of claim 32, further comprising a biological response modifier.

34. (Previously Presented) The pharmaceutical composition of claim 32, further comprising a liposome formulation, an antigen presenting cell, or an adjuvant comprising mycobacterial cell wall skeleton and monophosphoryl lipid A.

35.-65. (Canceled)

66. (Previously Presented) A mutant *ras* peptide-carrier molecule conjugate comprising the mutant *ras* peptide consisting of Tyr Leu Val Val Val Gly Ala Asp Gly Val (SEQ ID NO: 11) and a carrier molecule, wherein said carrier molecule enhances the immunogenicity of the peptide and wherein the carrier molecule is selected from the group

consisting of influenza peptide, tetanus toxoid-CD4 epitope, *Pseudomonas* exotoxin A, and poly-L-lysine.

67. (Previously Presented) A mutant *ras* peptide-carrier molecule conjugate comprising the mutant *ras* peptide consisting of Tyr Leu Val Val Val Gly Ala Asp Gly Val (SEQ ID NO: 11) and a carrier molecule, wherein said carrier molecule enhances the immunogenicity of the peptide and wherein the carrier molecule is tetanus toxoid.

68. (Previously Presented) The pharmaceutical composition of claim 33, wherein the biological response modifier is interleukin 2.

69. (Canceled)

70. (Previously Presented) The pharmaceutical composition of claim 32, further comprising interleukin 2, interleukin 6, interleukin 12, interferon, tumor necrosis factor, GM-CSF,  $\beta$ 2-microglobulin, or combinations thereof.

71. (Previously Presented) The pharmaceutical composition of claim 33, further comprising a liposome formulation, an antigen presenting cell, or an adjuvant comprising mycobacterial cell wall skeleton and monophosphoryl lipid A.

72. (Previously Presented) A mutant *ras* peptide consisting of Tyr Leu Val Val Val Gly Ala Asp Gly Val (SEQ ID NO: 11).